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1612

RAW SEQUENCE LISTING

DATE: 05/31/2002

PATENT APPLICATION: US/09/714,409A

TIME: 09:10:15

Input Set : A:\PTOMS.txt

Output Set: N:\CRF3\05312002\I714409A.raw

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3 <110> APPLICANT: Johnson, Leisa
4     Fattaey, Ali
5     Hermiston, Terry
7 <120> TITLE OF INVENTION: An Oncolytic Adenovirus
9 <130> FILE REFERENCE: ONYX1033-US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/714,409A
13 <141> CURRENT FILING DATE: 2000-11-14
15 <150> PRIOR APPLICATION NUMBER: US 60/165,638
17 <151> PRIOR FILING DATE: 1999-11-15
19 <160> NUMBER OF SEQ ID NOS: 25
21 <170> SOFTWARE: PatentIn version 3.1
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27 <212> TYPE: DNA
29 <213> ORGANISM: Artificial Sequence
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33 <223> OTHER INFORMATION: XhoI
35 <220> FEATURE:
37 <221> NAME/KEY: misc_feature
39 <223> OTHER INFORMATION: Oligonucleotide
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47 <211> LENGTH: 35
49 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
55 <223> OTHER INFORMATION: XhoI
57 <220> FEATURE:
59 <221> NAME/KEY: misc_feature
61 <223> OTHER INFORMATION: Oligonucleotide Complement
63 <400> SEQUENCE: 2
64 cctattaaaaa aaacaccact cgagacggca ccagc          35
67 <210> SEQ ID NO: 3
69 <211> LENGTH: 26
71 <212> TYPE: DNA
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
77 <223> OTHER INFORMATION: SpeI
79 <220> FEATURE:
81 <221> NAME/KEY: misc_feature
83 <223> OTHER INFORMATION: Oligonucleotide
85 <400> SEQUENCE: 3

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86 gggcgagta actagtatgt gttggg
89 <210> SEQ ID NO: 4
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93 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
99 <223> OTHER INFORMATION: SpeI
101 <220> FEATURE:
103 <221> NAME/KEY: misc_feature
105 <223> OTHER INFORMATION: Oligonucleotide Complement
107 <400> SEQUENCE: 4
108 cccaacacat actagttact ccgccc
111 <210> SEQ ID NO: 5
113 <211> LENGTH: 37
115 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
121 <223> OTHER INFORMATION: SpeI-E2F1P
123 <220> FEATURE:
125 <221> NAME/KEY: misc_feature
127 <223> OTHER INFORMATION: Primer
129 <400> SEQUENCE: 5
130 gtgagcacta gtcgcctggt accatccgga caaagcc
133 <210> SEQ ID NO: 6
135 <211> LENGTH: 34
137 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
143 <223> OTHER INFORMATION: XhoI-E2F1
145 <220> FEATURE:
147 <221> NAME/KEY: misc_feature
149 <223> OTHER INFORMATION: Primer
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152 gtgagcctcg agctcgatcc cgctccgccc ccgg
155 <210> SEQ ID NO: 7
157 <211> LENGTH: 31
159 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
165 <223> OTHER INFORMATION: d1922/47
167 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
171 <223> OTHER INFORMATION: Primer
173 <400> SEQUENCE: 7
174 gctaggatcc gaagggattg acttactcac t
177 <210> SEQ ID NO: 8
179 <211> LENGTH: 31
181 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence

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187 <223> OTHER INFORMATION: d1922/47
189 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
193 <223> OTHER INFORMATION: Primer Complement
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196 gctagaattc ctcttcatcc tcgtcgtcac t
199 <210> SEQ ID NO: 9
201 <211> LENGTH: 20
203 <212> TYPE: DNA
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207 <220> FEATURE:
209 <223> OTHER INFORMATION: E2F-1
211 <220> FEATURE:
213 <221> NAME/KEY: misc_feature
215 <223> OTHER INFORMATION: Promoter in the E4 region
217 <400> SEQUENCE: 9
218 ggtgacgtag gttttagggc
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223 <211> LENGTH: 21
225 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
231 <223> OTHER INFORMATION: E2F-1
233 <220> FEATURE:
235 <221> NAME/KEY: misc_feature
237 <223> OTHER INFORMATION: Promoter in E4 Region-Complement
239 <400> SEQUENCE: 10
240 gccataacag tcagccttac c
243 <210> SEQ ID NO: 11
245 <211> LENGTH: 35
247 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
253 <223> OTHER INFORMATION: BamHI-E2F1P
255 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
259 <223> OTHER INFORMATION: Primer
261 <400> SEQUENCE: 11
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269 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
275 <223> OTHER INFORMATION: HindIII-E2F1P
277 <220> FEATURE:
279 <221> NAME/KEY: misc_feature
281 <223> OTHER INFORMATION: Primer

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293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
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299 <220> FEATURE:
301 <221> NAME/KEY: misc_feature
303 <223> OTHER INFORMATION: Primer present in pBR322
305 <400> SEQUENCE: 13
306 cgcggaattc ttttgattg aagccaatat g
309 <210> SEQ ID NO: 14
311 <211> LENGTH: 30
313 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
319 <223> OTHER INFORMATION: ExoXC1
321 <220> FEATURE:
323 <221> NAME/KEY: misc_feature
325 <223> OTHER INFORMATION: Primer present in pBR322
327 <400> SEQUENCE: 14
328 cagtcccgtg gtcgatccg ctcggaggag
331 <210> SEQ ID NO: 15
333 <211> LENGTH: 30
335 <212> TYPE: DNA
337 <213> ORGANISM: Artificial Sequence
339 <220> FEATURE:
341 <223> OTHER INFORMATION: Bsr-Bam
343 <220> FEATURE:
345 <221> NAME/KEY: misc_feature
347 <223> OTHER INFORMATION: Primer
349 <400> SEQUENCE: 15
350 ctctccgag cggatccgac accgggactg
353 <210> SEQ ID NO: 16
355 <211> LENGTH: 30
357 <212> TYPE: DNA
359 <213> ORGANISM: Artificial Sequence
361 <220> FEATURE:
363 <223> OTHER INFORMATION: E1A.Xba
365 <220> FEATURE:
367 <221> NAME/KEY: misc_feature
369 <223> OTHER INFORMATION: Primer
371 <400> SEQUENCE: 16
372 gcgggaccac cgggtgtatc tcaggagggtg
375 <210> SEQ ID NO: 17
377 <211> LENGTH: 20
379 <212> TYPE: DNA

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Input Set : A:\PTOMS.txt

Output Set: N:\CRF3\05312002\I714409A.raw

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381 <213> ORGANISM: Artificial Sequence
383 <220> FEATURE:
385 <223> OTHER INFORMATION: E1A.Xba
387 <220> FEATURE:
389 <221> NAME/KEY: misc_feature
391 <223> OTHER INFORMATION: Primer
393 <400> SEQUENCE: 17
394 gcattctcta gacacaggtg
397 <210> SEQ ID NO: 18
399 <211> LENGTH: 25
401 <212> TYPE: DNA
403 <213> ORGANISM: Artificial Sequence
405 <220> FEATURE:
407 <223> OTHER INFORMATION: Ad5-left
409 <220> FEATURE:
411 <221> NAME/KEY: misc_feature
413 <223> OTHER INFORMATION: Primer
415 <400> SEQUENCE: 18
416 gggcgtaacc gagtaagatt tggcc
419 <210> SEQ ID NO: 19
421 <211> LENGTH: 31
423 <212> TYPE: DNA
425 <213> ORGANISM: Artificial Sequence
427 <220> FEATURE:
429 <223> OTHER INFORMATION: E1Astart.NC
431 <220> FEATURE:
433 <221> NAME/KEY: misc_feature
435 <223> OTHER INFORMATION: Primer
437 <400> SEQUENCE: 19
438 ggcagataat atgtctcatt ttcagtcccg g
441 <210> SEQ ID NO: 20
443 <211> LENGTH: 31
445 <212> TYPE: DNA
447 <213> ORGANISM: Artificial Sequence
449 <220> FEATURE:
451 <223> OTHER INFORMATION: Af-7
453 <220> FEATURE:
455 <221> NAME/KEY: misc_feature
457 <223> OTHER INFORMATION: Primer
459 <400> SEQUENCE: 20
460 gctaggatcc gaagggattg acttactcac t
463 <210> SEQ ID NO: 21
465 <211> LENGTH: 31
467 <212> TYPE: DNA
469 <213> ORGANISM: Artificial Sequence
471 <220> FEATURE:
473 <223> OTHER INFORMATION: Af-5
475 <220> FEATURE:
477 <221> NAME/KEY: misc_feature

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/714,409A

DATE: 05/31/2002

TIME: 09:10:16

Input Set : A:\PTOMS.txt

Output Set: N:\CRF3\05312002\I714409A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number